



ENVIRONMENTAL
MANAGEMENT SYSTEM
REGISTERED TO
ISO 14001:2004

Purpose and Expectation



- Program Purpose - To provide a general awareness of the Refuse Disposal Division's Environmental Aspects, Impacts and Significant Aspects.



- Our Expectation - For all Refuse Disposal Personnel to be able to understand the concepts of ISO 14001 and the RDD's EMS in relation to their jobs.



Aspects and Impacts

- Environmental Aspect -
 - The part of YOUR JOB that can interact with the environment. For example...
 - Trash Operation – dust, heavy equipment exhaust emissions, native habitat destruction
 - Fee Booth – vehicle exhaust emissions, leaking oil



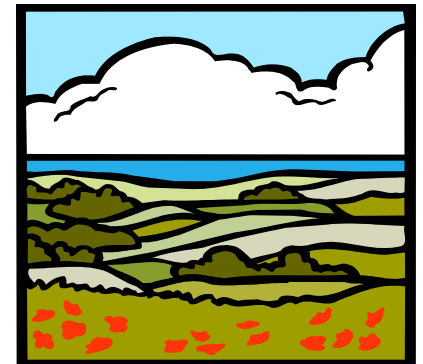
Aspects and Impacts

- Environmental Impact –
 - Any change to the environment resulting from our activities, products, or services.
 - Heavy equipment exhaust emissions – air pollution
 - Landfill gas emissions – air pollution
 - Stormwater runoff - surface water contamination



Aspects and Impacts

- Environmental Impacts –can be positive as well as negative...
 - Trash Operation
 - Daily Cover – vector control, regulatory compliance
 - Greenery Products...
 - Compost, Mulch – soil amendment, erosion control, waste diversion





Aspects and Impacts

- Significant Aspects are...
 - Environmental aspects that have, or can potentially have, a substantial **positive** or **negative** impact on the environment.
 - Based upon an organizations Significance Criteria.

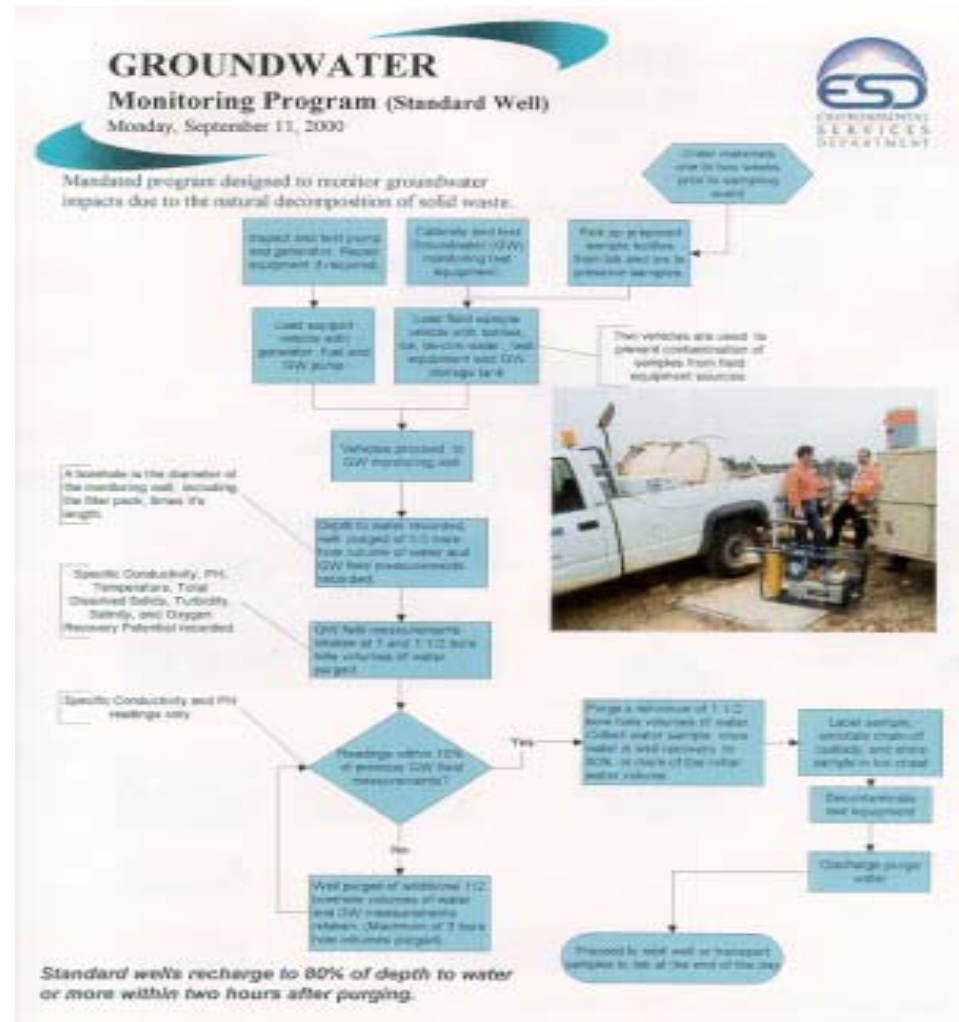
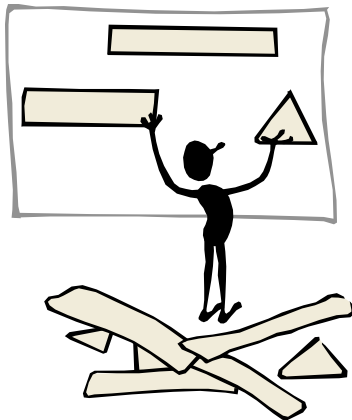
Therefore we ...

- Identify What We Do –(Activities, Products, Services)
 - Processes mapped out
 - Everyone participates; reviewed annually (by Senior Staff) and when processes are added or deleted
 - Aspects and Impacts Identified (Environmental Survey)
- Develop Aspect/Impact Priority...
 - Significance Criteria applied to all aspects
 - Significant Aspects List Created
- In order to set Objectives and Targets...next lesson!



Getting Started...

- Process Mapping
 - What we do...



RDD's Significance Criteria...

- A resource conservation effort that results in a positive environmental impact upon implementation (e.g. water use, fuel use, solid waste, energy use, etc.).
 - *Continuous Improvement*
- A potential situation that could be expected to cause an adverse environmental and/or human health impact (e.g. toxic and/or hazardous substances, spills and releases, etc.).
 - *Prevention of Pollution*
- Any activity or element of an activity that is controlled by local, state or federal laws that can result in fines, violations, Cease and Desist Orders, Corrective Action Requests, etc. if not properly managed.
 - *Regulatory Compliance*

RDD's Significance Criteria...

- Complaints: Any activity or element of an activity that results in a complaint that reaches the Deputy Director or higher authority.
- Public Perception: Any potential situation or occurrence that is newsworthy (Likely to make the paper or evening news if it occurs).

RDD's Significant (Neg.) Aspects.

Exhaust Emissions (*Heavy Equipment*), Exhaust Emissions (*Stationary Equipment*), Fugitive Dust, Fugitive Methane Gas Emissions, Improper Gas System Operations, Vehicle Accidents, Undetected Hazardous Waste, Catastrophic Tank Failure (fuel truck), Vehicle Operations in Sensitive Habitat, Heavy Equipment Fluid Leaks, Leaks from Nozzles, Fuel Overfills, Litter Control, Battery Disposal, Water Use (potable, non-potable), Improper Drainage (slope erosion, sedimentation, ponding), GW - Purge Water, Leachate Disposal.

RDD's Significant (Pos.) Aspects

Coarse Wood Chips, Compost, Mulch, Trash Removal, Scrap Metal Recycling, Load Checks, Customer Education (Haz Waste), Haz Waste Diverted, Radiation Detector, Haz Waste Removal, Co-gen LFG use, Proper LFG System Ops, Daily Cover, Liner Base Material, Commercial Soil Processing, Re-vegetation Program, Volunteer Use, Seagull Control Program, Preventive Maintenance, Vehicle Inspections, Landfill Site Inspections, Water use (non-potable) Dust Control, Street Sweeping, Ticketless Transaction Program



QUESTIONS?

**ISO 14001
Environmental Management System
Environmental Aspects 4.3.1**